

PERSONAL DETAILS



Name : **RAJESH RAMASAMY**

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Date of Birth : 27th April 1976
Nationality : MALAYSIA

POSITIONS

POSITION	AFFILIATION	DURATION
Head of Unit	Immunology Unit Department of Pathology Faculty of Medicine and Health Sciences Universiti Putra Malaysia	Since 2018
Principle Investigator	Stem Cell & Immunity Research Group Faculty of Medicine and Health Sciences Universiti Putra Malaysia	Since 2006
Head of Research Program	Regenerative Medicine Research Program Universiti Putra Malaysia	Since 2014

ACADEMIC QUALIFICATIONS

INSTITUTION	YEAR	DEGREE
Imperial College of London United Kingdom	2002-2006	PhD, DIC (Stem cell transplantation / Immunology)
Universiti Kebangsaan Malaysia (UKM) (National University of Malaysia)	1997-2000	Bachelor of Biomedical Science (B.BMed / Immunology)

WORKING EXPERIENCE

POSITION	INSTITUTION	DURATION	DEPARTMENT
Associate Professor	Universiti Putra Malaysia (UPM), Faculty of Medicine and Health Sciences	Since 1 February 2012	Immunology Unit Department of Pathology
Visiting Research Fellow	King's College London United Kingdom	1 August 2015 30 April 2016	Regenerative Medicine Haematological Medicine
Senior Lecturer	Universiti Putra Malaysia (UPM), Faculty of Medicine and Health Sciences	1 October 2008- 31 January 2012	Immunology Unit Department of Pathology
Lecturer	Universiti Putra Malaysia (UPM) Faculty of Medicine and Health Sciences	29 March 2006 - 30 September 2008	Immunology Unit Department of Pathology

Tutor	University Putra Malaysia (UPM), Faculty of Medicine and Health Sciences	29 March 2001 - 28 March 2006	Department of Clinical Laboratory Sciences at <ul style="list-style-type: none"> Immunology Unit Haematology Unit
Practical instructor and tutor	Imperial College School of Medicine London, UK	2004-2005	1 st -year Medical students <ul style="list-style-type: none"> Haematology Physiology
Assistant Scientific Officer	Hospital Universiti Kebangsaan Malaysia (HUKM)	27 March 2000 - 27 March 2001	Department of Diagnostics Laboratory Services at <ul style="list-style-type: none"> Haematology Unit Bone marrow Unit

TEACHING EXPERIENCE

(A) Undergraduate

NO	COURSE / CODE / DURATIONS	PROGRAMME / YEAR	METHODOLOGY
1	Immunology (SPP 3341, 3 credits) (Since 2006)	Medical Doctor (MD) / 1	Conventional lectures Tutorials Case Studies Student Centred Learning Presentations Laboratory Practical
2	Immunology (BMS3070, 3 credits) (2007, 2008, 2009 & 2010)	Biomedical Science / 2	
3	Nutritional Immunology (DTK3205, 3 credits) (Since 2013) <i>Course Coordinator</i>	Dietetic Science / 2	
4	Immunology (MCB4301, 3 credit) (2006)	Biotechnology / 3	
5	Medical Biotechnology (SBP3505, 3 credit) (2006)	Biomedical Sciences / 3	
6	Microbiology and Immunology (2009)	Medical Doctor (MBBS) / 1 / Cyberjaya University College of Medical Sciences (CUCMS)	Conventional lectures
7	Immunology (2009, 2010, 2011 & 2012)	Medical Doctor (MBBS) / 1, 2 Monash University	Conventional lectures Tutorials
8	Stem Cells and Sport Science (2009 & 2010)	Sport Sciences (B Sc)/2 Universiti Institut Teknologi MARA	Conventional Lectures
9	Immunology (2011)	Biomedical Sciences / Optometry Universiti Kebangsaan Malaysia	Conventional Lectures

(B) Postgraduate

NO	COURSE Code	PROGRAMME Duration	METHODOLOGY
1	Immunobiology (SMK5301, 3 credit) <i>Course Coordinator 2011/12</i>	MSc/PhD (2007 till present)	Conventional lectures Case Studies Student Centred Learning Presentations
2	Medical Diagnostics & Therapeutics (BMS5026)	MSc/PhD (2007, 2008, 2009)	
3	Special Topics in Immunology (PSK5905, 3 credits)	MSc /PhD (2009)	
4	Special Topics in Human Nutrition & Nutritional Immunology (PKK5009 / PKK6009, 3 credit)	MSc /PhD (2009)	

5	Master of Pathology (MPT5012, 3 credit)	Medical Pathology (MPath) (2009 till present)	
6	Master of Optometry Ocular Immunology	MSc (Optometry) Universiti Kebangsaan Malaysia (2011 & 2012)	Conventional lectures
7	Master of Regenerative Medicine	MSc University College Sedaya International Since 2014	Conventional lectures Presentations

SUPERVISION & EXAMINATION OF POSTGRADUATE STUDENTS

(A) Undergraduate Supervision

1. Tong Chih Kong (B.Sc. Biomedical Science)
Human bone marrow-derived mesenchymal stem cells (MSC) suppress T-cell proliferation by inducing cell cycle arrest (2007)
*Selected as best project at Department of Biomedical Sciences 2007
2. Kalidasan Krishna (B.Sc. Biomedicine) (Management and Science University, MSU)
The effect of mesenchymal stem cells on neutrophil's nitric oxide production (2009)

(B) Internal Postgraduate Supervision

(I) PRINCIPAL SUPERVISOR

No	Name of Student Programme	Title	Status
MSc			
1	Vahid Hossienpour Sarmadi MSc (Immunobiology)	Characterisation of inhibitory effect induced by human bone marrow-derived mesenchymal stem cells on haematopoietic origin tumour cells	Graduated (2010)
2	Tong Chih Kong MSc (Immunobiology)	Generation and characterisation of human umbilical cord-derived mesenchymal stem cells	Graduated (2010)
3	Maryam Maqbool MSc (Immunobiology)	The effect of mesenchymal stem cells on neutrophil immune responses	Graduated (2012)
4	Cini Mathew John MSc (Immunobiology)	Evaluation of immunomodulatory response of polyphenols from <i>Cassia auriculata</i> on induced diabetes mellitus	Graduated (2013)
5	Pratheep Sandrasaigaran MSc (Immunobiology)	Generation and characterisation of mesenchymal stem cells from human cartilage	Graduated (2014)
6	Noridzaida Ridzuan MSc (Immunobiology)	Isolation and characterisation of rat bone marrow mesenchymal stem cells	Graduated (2015)
7	Eric Kimathi MSc (Immunobiology)	Effects of Cassia polyphenols on primary pancreatic beta cells and cell lines using type II diabetic rat model.	Ongoing
8	Zuraidah Yusoff MSc (Stem Cell)	Generation and differentiation of mesenchymal stem cells from human umbilical cord blood	Graduated (2015)
9	Hamza Lawal MSc (Biochemistry)	Immunomodulatory activity of Ethanol extracted Moringa Oleifera leaves	Ongoing
PhD			
1	Shalini Vellasamy PhD (Immunobiology)	Generation and characterisation of mesenchymal stem cells derived from human placenta and adult cardiac tissue	Graduated (2012)
2	Vahid Hossienpour Sarmadi PhD (Immunobiology)	Evaluation of Anti-tumorigenic activity of Human Mesenchymal Stem Cells on Haematopoietic Tumour Cells at <i>In Vitro</i> and <i>In Vivo</i>	Graduated (2016)
3	Maryam Maqbool PhD (Immunobiology)	Deciphering the Inhibitory Effect of Mesenchymal Stem Cells on Monocytes and Macrophages	Graduated (2016)

4	Mohadese Hashem Brojerdi PhD (Immunobiology)	Interaction between human hematopoietic stem cells and mesenchymal stem cells during ex vivo expansion	Graduated (2015)
5	Ravindran Pillai Harikumar PhD (Immunobiology)	Assessment of immunomodulatory activity of luteolin-phytosome complex (LPC) in immune competent and immunosuppressed animal models.	Graduated (2016)
6	Cini Mathew John PhD (Pharmacology & Toxicology)	Analysing molecular mechanism of nicotinamide in modulating diabetic and immune parameters of induced gestational diabetic rats.	Graduated (2015)
7	Satar Jabbar Rahi Al-Graittee PhD (Immunobiology)	Evaluation of human cartilage derived mesenchymal from osteoarthritis patients	Ongoing
8	Ramesh Ranggasamy PhD (Stem Cell)	Regenerative and Immunomodulatory Activity of Standardised Ethanolic Extract of Moringa oleifera Lam. Leaves on Normal and Immunosuppressed Animal Models	Ongoing

(II) CO-SUPERVISOR

No	Name of Student Course	Title	Status
Master			
1	Mahdi Jabarloo MSc (Immunobiology)	Generation of Monoclonal Antibodies to Aspergillus Fumigatus	Graduated (2009)
2	Wendy Yeo Wai Yeng MSc (Immunobiology)	The identification of lung stem cells: defining bronchoalveolar stem cells (Bascx) as the lung stem cells using clonogenic assay in murine lungs	Graduated (2010)
3	Mansoorah Sadat Mojani Qami MSc (Nutrition)	Effect of Vitamin E Supplementation on Inflammatory Factors in Diabetic Rats	Graduated (2010)
4	Ooi Yin Yin MSc (Immunobiology)	Determining immunoregulatory function of mesenchymal stem cells on microglia: implications for treatment of neurodegenerative disease	Graduated (2010)
5	Malini Fonseka MSc (Immunobiology)	The effect of mesenchymal stem cells on the proliferation and survival of K562 cell line	Graduated (2011)
7	Hemavathy Subramaniam MSc (Immunobiology)	Effects of ageing on microglia responses to cellular stress	Graduated (2011)
8	Mohadese Hashem Brojerdi MSc (Haematology)	Determination of blast immunophenotype in MDS using flow cytometry	Graduated (2011)
9	Muhammad Zul'atfi Rahmat MSc (Immunobiology)	Elucidating mechanisms of immunoregulation by mesenchymal stem cells on microglia	Graduated (2013)
10	Marwan Taher M. Abobila MVSc (Anatomy)	Replacement of degraded articular cartilage using stem cell therapy: Rabbit model of osteoarthritis	Graduated (2013)
11	Wong Nyuk Moi MSc (Haematology)	Chromosomal abnormalities seen in childhood acute lymphoblastic leukaemia in Malaysia	Passed Viva (2016)
12	Nasibeh Daneshvar MSc (Medical Biotechnology)	Reprogramming of somatic cell to stem cell using minicircle plasmid	Graduated (2014)
13	Peyman Ghorraishizadeh MSc (Stem Cell)	Isolation, propagation and identification of human amniotic fluid mesenchymal stem cells	Submitted (2016)
14	Lim Chai Ling MSc (Neuroscience)	Metabolic and functional characterisation of adult skeletal muscle in down syndrome mouse model (ts1 cje): insights into the muscle weakness seen in human condition	Passed Viva (2017)
PhD			
1	Leong Pooi Pooi PhD (Immunobiology)	Strategic approaches to harnessing the immune system for elimination of malignant cells	Graduated (2010)
2	Ngai Siew Ching PhD (Molecular Medicine)	Gene therapy for beta-thalassemia: development of vector with persistent transgene expression on haematopoietic stem cells gene transfer	Graduated (2011)
3	Yan See Wan PhD (Nutrition)	In Vitro colorectal cancer studies of crude extract and flavonoids isolated from averrhoa bilimbi and averrhoa carambola	Graduated (2012)

4	Hoo Mun Fun PhD (Molecular Medicine)	Differentiation potential of full term rat amniotic fluid stem (AFS) cells into neural lineages	Graduated (2015)
5	Shinson Jose PhD (Immunobiology)	Immunomodulation of microglia by mesenchymal stem cells: a molecular approach	Graduated (2014)
6	Mohammad Zareian Jahromi PhD (Molecular Biotechnology)	Characterisation of natural killer cells, dendritic cells and their interaction during infectious bursal disease virus infection in chickens	Completed
7	Mansoorah Sadat Mojani Qomi PhD (Nutritional Science)	Anti-diabetic and immunological effects of ginger on streptozotocin-nicotinamide induced diabetic rats	Graduated (2014)
8	Ardalan Shariat PhD (Sport Science)	Assessment of physiology and immunological system among the workers during physical activity	Graduated (2017)
9	Teh Yuan Han PhD (Pharmacology & Toxicology)	Blocking signalling through CD44 by binders of mutant Kras in pancreatic cancer stem cells: a unique strategy to eradicate relapse in cancer chemotherapy	Ongoing
10	<u>Maisarah Abdul Mutalib</u> <u>PhD (Nutritional Science)</u>	Nutritional and chemical evaluation, antioxidant capacity and antiproliferative activity of cyphomandra betacea (Tamarilo) and Solanum esculentum (tomato)	Completed (2017)
11	<u>Siti Sarah Omar Zaki</u> <u>PhD (Immunobiology)</u>	Immunomodulatory mechanism of mesenchymal stem cells on microglia	Ongoing

(C) External Postgraduate Supervision

No	Name of Student Course	Title	Institute Country
1	Haslinda Abdul Hamid MSc (Stem Cell)	The effect of magnetic field on the proliferation of mesenchymal stem cells	Universiti Tun Hussein Onn Malaysia (UTHM) MALAYSIA
2	Subramani Baskar PhD (Stem Cell)	Differentiation of cardiac-derived mesenchymal stem cells into cardiomyocytes	Dr NGP Arts and Sciences College INDIA
3	Muhammad Aizat Md Hawari PhD (Cancer Biology)	MicroRNA-mediated Phenotypic Change in Gastric Cancer Stem Cells	Imperial College of London UNITED KINGDOM
4	Dr Ashan Sumera PhD (Haematology)	Elucidation of molecular mechanisms underlying the pathogenesis of ineffective erythropoiesis in beta-thalassemia using a cell-based model	International Medical University (IMU)

(D) Other Supervision

No	Name	Level	Type /Institute	Duration
1	Thaiya Nachiar	BSc	Industrial Training MSU	3 months 2010
2	Narges Sadat Mirzadeh Hosein	BSc	Industrial Training Universiti Malaya	29 March 2011 24 July 2011
3	Nertiyan Elangkovan	Cambridge GCE A Level	Research Placement Sunway College	20 June 2011 24 June 2011
4	Mohd. Aizat Awari	MSc	Research Assistant	Since May 2012
5	Dr Shalini Vellasamy	PhD	Post-Doctoral Fellowship	01 June 2012 31 May 2013
6	Kugendran Ponniah	London, GCEA level	Research Internship HELP Academy	01 August 2013 23 August 2013
7	Woo Yeng Fung	BSc	Industrial Training Manipal International University	10 weeks 2017
8	Divya Dharshini	BSc (Biomedical Science)	Industrial Training International Medical University (IMU), Malaysia	26 February 2018 28 April 2018

9	Neoh Yi Xing	A-levels graduate	Internship	February 2018 May 2018
10	Wafa Abdulhamed	BSc (Biomedical Science)	Internship Universiti Putra Malaysia	June 2018 August 2018
11	Muhra Romodan Omer	BSc (Biomedical Science)	Internship Universiti Putra Malaysia	June 2018 August 2018
12	Niranjana Jaganathan	BSc (Biotechnology)	Internship Universiti Sabah Malaysia	June 2018 August 2018

(E) Postgraduate Thesis Examination

(I)	Chairperson Thesis Examination Committee	Level / Year
1.	Zarintaj Malihi <i>Nutritional Status, Diet and Quality Of Life of Acute Leukemia Patients after Induction Chemotherapy in Three Selected Hospitals in Tehran, Iran</i>	MSc / 2012
2.	Pushpa Gandhi Sangaran <i>Development of a proteomic map and identification of potential protein markers for gestational diabetes mellitus</i>	MSC / 2012
3.	Suleiman Yusuf Alhaji <i>Gene delivery into the lungs using bio-functional carbonate apatite nanoparticles.</i>	MSC / 2013
4.	Jamila Abubakar Garba <i>Prevalence and factors associated with obesity among secondary school students in Petaling district, Selangor</i>	MSc / 2013
5.	Liew Yun Khoon <i>Comparative analysis of exoproteome of Staphylococcus aureus isolated from asymptomatic carries and different infection types</i>	PhD / 2013
6.	Golnaz Samiei <i>Association between polymorphisms in interleukin-17A and interleukin-17F genes and susceptibility to colorectal, breast, nasopharyngeal cancers in Malaysia</i>	MSC / 2014
7.	Renjan Thomas <i>Elucidating pathogenic determinants involved in stenotrophomonas maltophilia pathogenesis</i>	PhD / 2014
8.	Priya A/P Madhavan <i>Phenotypic and molecular genetic profiles of fluconazole and variconazole sensitive versus resistant candida species</i>	PhD / 2014
9.	Mohammad Reza Babei Moghaddam <i>Molecular epidemiology of multiple drug resistant Acinetobacter baumannii (MDRAB) from a major teaching hospital in Malaysia</i>	PhD / 2015
10.	Hamed Ghasemzadeh Moghaddam <i>Correlating the frequency of nosocomial colonization and infection by MRSA with host staphylococcus aureus nasal carriage and humoral immune status prior to hospital admission</i>	PhD / 2015
11.	Akram Faisal Mahmud <i>Generation of mouse induced pluripotent stem cells using polycistron lentiviral vector in a feeder/serum free culture</i>	PhD / 2015
12.	Tan Shi Wei <i>Immunomodulation of palm vitamin E delta-tocotrienol on microglial response</i>	PhD / 2017

13	Michelle Tan Siying <i>SRJ2 and its derivatives as new anticancer agents targeting RAS oncoproteins: cytotoxicity, KRAS G12V protein expression, and protein SRJ2 binding studies</i>	MSc / 2017
14	Tong Chih Kong <i>Determination of microglia modulatory effects on neuroepithelial cell neurodifferentiation</i>	PhD / 2017
15	Nutthapong Moonkum Characterization and evaluation of circulating endogenous stem cells role in neuronal regeneration and improvement of motor symptoms in neurodegenerative disease Chiang Mai University, Thailand	PhD / 2017
16	Yaghma Masood Expression and association of mir-181a and mir-663 and their target genes in head and neck cancer	PhD / 2018
(II)	External Examiner	Institution Level / Year
1.	Nur Fariha Mod Manzor <i>Angiogenic Potential of Stem Cells Isolated from Human Placenta</i>	UKM PhD / 2012
2.	MSc (Anti-Aging, Regenerative Medicine and Medical Aesthetic) <i>(External Examiner for Regenerative Medicine) (16 candidates)</i>	USCI MSc / 2013
3.	Khoo Tze Sean <i>Long term evaluation of chromosomal stability and gene expression of human embryonic stem cell and its mesenchymal derivatives</i>	UKM MSc / 2015
4	Mimi Zulaikha Umar Fuaad <i>Conditioned Medium from Bone Marrow-Derived Stem Cells for Ex Vivo Expansion of Cardiac Stem Cells</i>	USM MSc / 2016
5	Sharifah Salwa Syed Hussein <i>Attenuation of lipopolysaccharide-induced inflammatory responses in bv-2 microglial cells by (+)-catechin</i>	UM MSc / 2016
6	Ng Sook Luan <i>Pembangunan Model Sel Kornea Keratitis Acanthamoeba In Vitro Dan Ujian Efikasinya Dengan Menggunakan Khlorheksidina Dan Ekstrak Sarang Burung Walit</i>	UKM PhD / 2017
7	Sangeetha Krishnansamy <i>The regulation of inflammasome activation in BV-2 microglia cells by neuronal stem cells (NSCs)</i>	IMU MSc / 2017
8	Lelia Tay Sze Yee <i>Kesan Sarang Burung Walit dalam Sel Selanjara Kanser Payudara Manusia MCF-7</i>	UKM PhD / 2018
9	Nur Azrah Fazera Mohd.Ariffin Phenotypic and Functional Characterisation of Monocytic Microparticles (mMP) Derived from U937 and THP-1 Cells	USM MSc / 2018
10	Nazilah Abdul Satar The Chemo-sensitisation Effect of Curcumin in Non-small Cell Lung Cancer (NSCLC) Stem Cells	USM PhD / 2018
(III)	Internal Examiner	Level / Year
1.	Nurfarhana Ferdaos <i>Isolation and characterization of full term amniotic derived stem Cells</i>	MSc / 2010
2.	Lim Wai Feng	MSc / 2011

	<i>Investigation of the role of alpha haemoglobin stabilizing protein (AHSP) in Hb E/beta-thalassaemia patients in Malaysia</i>	
3.	Loh Chiew Yee <i>Immune cell function and activation in response to carica papaya Consumed by health individuals</i>	MSc / 2011
4	Mehdi Rasoli Pirozyan <i>Immune system regulation and response during infectious bursal disease virus and Newcastle disease virus infections in chickens</i>	PhD / 2013
5	Gao Liyang <i>The roles of Wnt1 and Dkk1 during neural in vitro differentiation of mouse embryonic stem cell lines</i>	PhD / 2013
6	Chong Chou Min <i>Profiling Immune Markers for the Identification of Leukocytes in Grouper</i>	PhD / 2014
7	Teh Lai Kuan <i>Molecular basis of beta thalassaemia in Sabah population</i>	PhD / 2014
8	Iris Goh Wen Li <i>Chemoresistant in tumorspheres and its characterization</i>	MSc / 2014
9	Faisal Hassan Hamoud Ali <i>Genome-wide analysis to study the effects of polyphenols from cocoa on gene expression profiles in diet-induced obesity rats</i>	PhD / 2014
10	Mahdi Jafarlou <i>Suppression of mcl-1 and-survivin genes expression and evaluation of their apoptotic effect in human acute myeloid leukaemia cell line (U-937)</i>	PhD / 2015
11	Wendy Yeo Wai Yeng <i>Differentiation of skeletal muscle-derived stem cells into beta pancreatic lineage</i>	PhD / 2015
12	Haw Tatt Yhew <i>A three-dimensional culture model of lipopolysaccharide-activated microglia</i>	MSc / 2015
13	Wong Charng Choon <i>Elucidation of the mechanism of anticancer activity of 3,19- (2-bromobenzylidene) andrographolide (SRJ09) in breast and colon cancer cells</i>	PhD / 2016
14	Banulata Gopalsamy <i>Anti-allodynic and antihyperalgesic properties of zerumbone and its mechanism of action in mice model of neuropathic pain</i>	PhD / 2017
15	Catherine Chieng Cheng Yun <i>Mucosal immunity in response to Vibrio harveyi in tiger grouper (Epinephelus fuscoguttatus)</i>	PhD / 2017
16	Ibrahim Sulaiman <i>Standardised Andrographis Paniculata Burm. Nees Extracts and andrographolides prevent airway inflammation in house dust mite and diisocyanate-induced asthma models</i>	PhD / 2018
17	Suleiman Yusuf Alhaji <i>Dynamics of epigenetic control on transgene expression mediated by lentivirus in pluripotent cells</i>	PhD / 2018

RESEARCH GRANTS

(A) Principal Investigator

(I) INTERNATIONAL & PRIVATE FUNDING

No	Funding Body Project Number Amount	Title	Status Duration
1	International Stem Cell Fund Kyoto Prefecture University 6380700-14001 RM 50,000	Human Cardiac Stem Cells	Completed 2010-2012
2	NisCELL Sdn. Bhd. RM300,000	Production and Safety Evaluation of GMP-Grade Human Umbilical Cord- derived Mesenchymal Stem Cells	Ongoing May 2018 April 2021

(II) PUBLIC FUNDING

No	Funding Body Project Number Amount	Title	Status Duration
1	Science Fund, MOSTI 02-01-04-SF0028 RM 100,000	Studies on mesenchymal stem cells as a potential cellular therapy for cancer	Completed Dec 2006- Nov 2008
2	Fundamental Research Grant Scheme (FRGS)-UPM 04-01-07-270FR RM 30,000	Generation and characterisation of human mesenchymal stem cells from umbilical cord blood: A possible reagent for tissue regeneration and transplantation	Completed March 2007- Feb 2008
3	Research University Grant Scheme (RUGS) 04/01/07/0106RU RM 131,000	Crosstalk between mesenchymal stem cells (MSC) and tumour cells: potential application for cancer therapy	Completed Jul 2007- Jun 2009
4	Research University Grant Scheme (RUGS) 04-01-09-0781RU RM 172,000	Establishment of methodology to generate and characterise mesenchymal stem cells from human umbilical cord	Completed Sep 2009- Aug 2011
5	Science Fund, MOSTI 02-01-04-SF1022 RM 223,060	Generation and characterisation of human mesenchymal stem cells from umbilical cord blood: a possible tool for immunotherapy	Completed Oct 2009- Apr 2012
6	Fundamental Research Grant Scheme (FRGS) 04-11-09-702FR RM 50,000	Confining the molecular mechanism of anti-tumorigenic effect exerted by human mesenchymal stem cells via mRNA expression	Completed Nov 2009- Oct 2011
7	Fundamental Research Grant Scheme (FRGS) 04-01-12-1131FR RM 195,250	Deciphering the immunomodulatory function and anti-diabetic activity of <i>Cassia auriculata</i> on type I and type II diabetes	Ongoing May 2012 April 2015
8	Research University Grant Scheme (RUGS) 04-02-12-1757RU RM 150,000	Exploration of mesenchymal stem cells (MSC) mediated immunosuppression through microRNA array: a global analysis	Completed Sept. 2012 August 2014
9	Putra Grant - Putra Graduate Initiative (IPS) GP-IPS/2014/9432500 RM 15,000	Crosstalk between haematopoietic stem cell and mesenchymal stem cell at in vitro culture: a preclinical model to scale up stem cell expansion	Completed July 2014- June 2015

10	Postgraduate Supervision Grants (PSG) FPSK/14/PSG(1) RM 5,000	Assessment of immunomodulatory activity of luteolin-phytosome complex (LPC) in mouse model	Completed August 2014- July 2015
11	Putra Grant - Putra Graduate Initiative (IPS) GP-IPS/2014/9433957 RM 15,000	Assessment of immunomodulatory activity of luteolin-phytosome complex (LPC) in mouse model	Completed September 2014- September 2016
12	NKEA Epp#1 Research Grant Scheme (NRGS) Ministry of Agriculture And Agro-Based Industry, Malaysia NH1015D072 RM 250,000.00	Regenerative and Immunomodulatory Activity of Standardised Ethanolic Extract of Moringa oleifera Lam. Leaves on Normal and Immunosuppressed Animal Models	Ongoing February 2016 December 2018

(II) CO-INVESTIGATOR

No	Funding Body Project Number Amount	Title	Status Duration
1	Science Fund, MOSTI 02-01-04-SF0347 RM 249, 000.00	Discovering signal transduction inhibitors from Actinomycetes for potential anti-cancer drug <i>Principle Investigator: Prof. Seow Heng Fong (UPM)</i>	Completed
2	Fundamental Research Grant Scheme (FRGS) 03-10-07-340FR RM 113, 000.00	The identification of lung stem cell - Defining Bronchoalveolar Stem Cells (BASCs) as the lung stem cell using clonogenic assay in murine lung. <i>Principle Investigator: Dr. Syahrilnizam Abdullah (UPM)</i>	Completed
3	Research University Grant Scheme (RUGS) 04/01/07/0117RU RM 72, 000.00	Determining immunoregulatory function of mesenchymal stem cells on microglia: Implications for treatment of neurodegenerative diseases. <i>Principle Investigator: Dr. Sharmili Vidyadaran (UPM)</i>	Completed
4	Fundamental Research Grant Scheme (FRGS) RM 138, 600.00	Unraveling the role of signaling molecules (Wnt) during neural differentiation of mouse embryonic stem cells: a way of generating more neurons in vitro <i>Principle Investigator: Dr. Norshariza Nordin (UPM)</i>	Completed
5	Research University Grant Scheme (RUGS) 04/01/07/0123RU RM 98,500	Nano-particle /pDNA complex as a potential gene transfactor targeting Basal Alveolar Stem Cell (BASC) for lung cancer gene therapy. <i>Principle Investigator: Dr. Syahrilnizam Abdullah (UPM)</i>	Completed
6	Research University Grant Scheme (RUGS) 04/01/07/0084RU RM 168, 000.00	Immunomodulatory effect of Malaysian fruit, vegetables and local herbs <i>Principle Investigator: Dr. Maha Abdullah (UPM)</i>	Completed
7	Research University Grant Scheme (RUGS) RM 269,000	The immunomodulatory effect of mesenchymal stem cells: Implication in cancer therapy <i>Principle Investigator: Prof. Seow Heng Fong (UPM)</i>	Completed
8	Fundamental Research Grant Scheme (FRGS) 03-10-07-331FR RM 198,000	Title: Investigating the effects of immunosenescence on microglia response: Implication for treatment of neurodegenerative disease <i>Principle Investigator: Dr. Sharmili Vidyadaran (UPM)</i>	Completed
9	Fundamental Research Grant Scheme (FRGS) 04-11-09-705FR RM 50,000	Profiling gene expression of aged microglia: a snapshot view of microglial immunosenescence <i>Principle Investigator: Dr. Sharmili Vidyadaran (UPM)</i>	Completed

10	Fundamental Research Grant Scheme (FRGS) UKM-FF-03-FRGS-0162-2010 RM 77,000.00	The characterization and immunomodulatory effect of stem cells derived from human embryos, fetal tissues and umbilical cord blood <i>Principle Investigator: Prof Dr Zainul Rashid Mohd Razi (UKM)</i>	Completed
11	Research University Grant Scheme (RUGS) 04/02/10/0920RU RM 30,000.00	Generation and characterization of chondrogenic stem cells from cartilage tissue: a possible cellular therapy for cartilage injury <i>Principle Investigator: Dr Afzar (UPM)</i>	Completed April 2010 April 2012
12	Research University Grant Scheme (RUGS) RM157,000.00	Factors regulating gender biasness in NK cells distribution and responses: Genetic hormonal or diet? <i>Principle Investigator: Dr. Maha Abdullah (UPM)</i>	Completed April 2011 April 2013
13	Exploratory Research Grant Scheme (ERGS) RM 166,200.00	Gene expression and cell migration in mesenchymal stem cell-mediated modulation of microglia <i>Principle Investigator: Assoc. Prof. Dr Sharmili Vidyadaran (UPM)</i>	Ongoing August 2012 August 2015
14	Science Fund, MOSTI 02-01-04-SF1538 RM196 000.00	MicroRNA-mediated immunomodulation of microglia by mesenchymal stem cells <i>Principle Investigator: Assoc. Prof. Dr Sharmili Vidyadaran (UPM)</i>	Ongoing November 2012 November 2014
15	Geran Putra (IBT) (UPM) GP-IBT/2013/9409500	Molecular, metabolic and functional characterisation of adult muscle in Down syndrome mouse model: insights into the muscle weakness seen in human condition. <i>Principle Investigator: Dr Cheah Pike See (UPM)</i>	Ongoing November 2013 October 2015
16	Science Fund, MOSTI 02-01-05-SF0684 RM 210, 200.00	Evaluation of Human Umbilical Cord-derived Mesenchymal Stem Cells for Rejuvenation of Aged Endogenous Cardiac Stem Cells <i>Principle Investigator: Dr. Tan Jun Jie (USM)</i>	Ongoing November 2014 April 2017
17	Science Fund, MOSTI 02-01-13-SF0104 RM 192, 848.00	Development of scaffold-less 3D cell culture based on liquid crystal substrates. <i>Principle Investigator: Dr. Soon Chin Fhong (UTHM)</i>	Ongoing July 2014 December 2016
18	Trans discipline Research Grant Scheme (TRGS) TRGS/2/2014/UMS/02/1/2 RM478,500.00	Biomaterials for Promoting Mesenchymal Stem Cell Proliferation and Differentiation <i>Principle Investigator: Assoc. Prof. Dr How Siew Eng (UNIMAS)</i>	Ongoing Feb 2015 January 2018
19	Fundamental Research Grant Scheme (FRGS) FRGS/1/2014/SKK02/UITM/03/1 RM125600	Unraveling the protective role of nicotinamide supplementation in induced gestational diabetic rats and the subsequent immune modulation via molecular mechanisms <i>Principle Investigator: Dr Cini Mathew John (UiTM)</i>	Ongoing July 2014 June 2016
20	UPM Grant Scheme for Postgraduate Student (GP-IPS) GP-IPS/2017/9519800 RM19,876.00	Developing a culture model of microglia-induced neurotoxicity <i>Principle Investigator: AP. Dr Sharmili Vidyadaran</i>	Ongoing March 2017 August 2018

RESEARCH PUBLICATIONS

ISI Thomson

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- 16 Sattar Al-Qraittee, Shalini Vellasamy, Fahrudin Che Hamzah, Ling King Hwa, Cini Mathew John, **Rajesh Ramasamy**
Human mesenchymal stem cells derived from Normal and Osteoarthritis Cartilage
4th International Conference on Nanomedicine and Tissue Engineering (ICNT2016)
12-14th August 2016, Mahatma Gandhi University, Kottayam, Kerala, India
- 17 Chai-Ling Lim, **Rajesh Ramasamy**, Johnson Stanslas, King-Hwa Ling, Pike-See Cheah
Metabolic and functional characterization of adult skeletal muscle in Down syndrome mouse model (Ts1Cje): Insight into the muscle weakness (hypotonia) seen in the human
APSN-ISN Neuroscience School 2016
Asian-Pacific Society for Neurochemistry (APSN) & Malaysian Society of Neurosciences (MSN)
22-26th August 2016, FMHS, UPM
- 18 Satar Jabbar Rahi Al-Qraittee, Ling King Hwa, Fahrudin Che Hamzah, & **Rajesh Ramasamy**
A Comparison Study of Human Mesenchymal Stem Cells Derived from Normal and Osteoarthritis Cartilages
International Conference & Workshop: The Art of Stem Cell
8-10th April 2017, Sultan Agung Islamic University (UNSULA), Semarang, Indonesia
- 19 Haslinda Abdul Hamid, Mohd Kamarulzaki Mustafa, Azizi Miskon, Satar Jabbar Rahi, Hamza Lawal & **Rajesh Ramasamy**

- The Effects of Magnetic Field on in Vitro Culture of human Umbilical Cord Derived Mesenchymal Stem Cells
International Conference & Workshop: The Art of Stem Cell
8-10th April 2017, Sultan Agung Islamic University (UNSULA), Semarang, Indonesia
- 20 Hamza Lawal, Woo Yeng Fung, Satar Jabbar Rahi Al-Qraittee & **Rajesh Ramasamy**
Ethanol Extract of Moringa Oleifera's Leaves Enhances the Viability and Expansion of Human Mesenchymal Stem Cells
International Conference & Workshop: The Art of Stem Cell
8-10th April 2017, Sultan Agung Islamic University (UNSULA), Semarang, Indonesia
- 21 Vigneshraaj Pushparajah, Satar Jabbar Rahi Al-Qraittee, Collin Looi Seng Kim, Sharifah Roohi Ahmad, **Rajesh Ramasamy**
The Generation and Characterisation of Mesenchymal Stem Cells Derived from Goat's Bone Marrow and Mobilised Peripheral Blood
International Conference & Workshop: The Art of Stem Cell
8-10th April 2017, Sultan Agung Islamic University (UNISULA), Semarang, Indonesia
- 22 **Rajesh Ramasamy**, Shalini Vellasamy, Chih Kong Tong, Atiqah Azhar, Radha Kodiappan, Soon Choy Chan, Abhi Veerakumarasivam
Mesenchymal Stem Cells Suppress T Cell Immune Responses by Transcriptome Modulation
The 2nd National Festival & International Congress on stem Cell & Regenerative Medicine
13-15th July 2017, I.R Iran International Conference Center (Saran Conventional Hall), Tehran, Iran
- 23 **Rajesh Ramasamy**, Satar Jabbar Rahi Al-Qraittee, Ling King Hwa & Fahrudin Che Hamzah
Characterisation of Human Mesenchymal Stem Cells Derived from Normal and Osteoarthritis Cartilages
The 2nd National Festival & International Congress on stem Cell & Regenerative Medicine
13-15th July 2017, I.R Iran International Conference Center (Saran Conventional Hall), Tehran, Iran
- 24 Vahid Hoseinpour Sarmadi, **Rajesh Ramasamy**, Salma Ahmadloo, Seow Heng Fong, Ling King Hwa
Deregulation of molecular signalling pathways in leukaemia cells affected by mesenchymal stem cells in mediating the growth inhibition of leukaemic tumour cells
The 2nd National Festival & International Congress on stem Cell & Regenerative Medicine
13-15th July 2017, I.R Iran International Conference Center (Saran Conventional Hall), Tehran, Iran
- (II) NATIONAL
- 1 **Ramasamy R*** and Dazzi F
Characterisation of Inhibitory effects of Mesenchymal stem cells on normal and malignant immune cells.
1st National Tissue Engineering and Regenerative Medicine Scientific Meeting (NTREMS 2006),
Hospital Universiti Kebangsaan Malaysia (HUKM), 29-30th August 2006 (Oral presentation)
(Oral Presentation)
- 2 Alireza Badiei, Yip Wai Kien, Ooi Yin Yin, Ho Oi Kuan, **Rajesh Ramasamy**, Sharmili Vidyadaran
Evaluation of morphological changes in microglia activated with LPS and A β ₂₅₋₃₅
ASEAN Microscopy Conference, Cherating, Pahang, 27 November 2007.
- 3 Chih Kong Tong, Sarmadi Vahid Hossien Pour, Latifah Saiful Yazan, Heng Fong Seow and **Rajesh Ramasamy***
Human bone marrow derived mesenchymal stem cell suppress T cell proliferation by inducing cell cycle arrest.
National Research and Innovation Competition 2007.
Universiti Sains Malaysia, June 2007.
- 4 Hemavathy Subramaiaam, **Rajesh Ramasamy**, Sharmili Vidyadaran
Effects of age on microglia responses to cellular stress
International Anatomical Sciences and Cell Biology Conference
National University Singapore, 26th - 29th May 2010
- 5 Yin Yin Ooi, **Rajesh Ramasamy**, and Sharmili Vidyadaran
Immunoregulatory Function of Mesenchymal Stem Cells on Microglia Responses
International Anatomical Sciences and Cell Biology Conference
National University Singapore, 26th - 29th May 2010

- 6 Zul'atfi Rahmat, **Rajesh Ramasamy**, and Sharmili Vidyadaran
Co-culturing Mesenchymal Stem Cells (MSC) and Microglia: Effects on MSC
International Anatomical Sciences and Cell Biology Conference
National University Singapore, 26th - 29th May 2010
- 7 Ooi Yin Yin, **Rajesh Ramasamy** and Sharmili Vidyadaran.
Mouse bone marrow mesenchymal stem cells acquire CD45-CD106+ immunophenotype only at later passages.
*2nd Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting
Medical Centre Universiti Kebangsaan Malaysia 22-23 July 2008.*
- 8 Sarmadi VH., Tong CK., Mahdi J., Seow HF and **Ramasamy R***.
Mesenchymal stem cells profoundly inhibit tumour cell proliferation
*2nd Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting.
Medical Centre Universiti Kebangsaan Malaysia 22-23 July 2008.
Medical Journal of Malaysia vol63 (Suppl A): 63-64, July 2008*
- 9 Tong CK., Seow HF. and **Ramasamy R***
Cord blood derived mesenchymal stem cells neither stimulate nor inhibit T cell activation.
*2nd Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting.
Medical Centre Universiti Kebangsaan Malaysia 22-23 July 2008.
Medical Journal of Malaysia vol63 (Suppl A): 77-78, July 2008*
- 10 **Ramasamy R***, Tong CK., Sarmadi VH., Seow HF. and Dazzi F.
Mesenchymal stem cells inhibit proliferation of tumour cells: Impact on cancer therapy
*2nd Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting.
Medical Centre Universiti Kebangsaan Malaysia 22-23 July 2008.
Medical Journal of Malaysia vol63 (Suppl A): 77-78, July 2008
(Oral Presentation)*
- 11 SC Ngai, **R Ramasamy**, R Rosli and S Abdullah
Optimization of the production of third-generation self-inactivating lentivirus carrying green fluorescent protein for in vitro gene transfer
*Regional Conference on Molecular Medicine 2009
Grand River View Hotel, Kota Bharu, Kelantan, 2nd – 4th May 2009*
- 12 Wendy Yeo Wai Yeng , **Rajesh Ramasamy** , Hossein Hosseinkhani , Abraham J.Domb , Sabariah Abdul Rahman, Rozita Rosli and Syahrilnizam Abdullah
Dextran-spermine Polycation Mediates Efficient Gene Delivery In vitro
8th Malaysia Genetics Congress, Awana Genting, 4-6 Aug 09
- 13 Ngai Siew Ching, **Rajesh Ramasamy**, Rozita Rosli and Syahrilnizam Abdullah,
Persistency of green fluorescent protein expression of cells infected by lentivirus controlled by cytomegalovirus promoter in vitro
8th Malaysia Genetics Congress, Awana Genting, 4-6 Aug 09
- 14 **Rajesh Ramasamy***, Vahid Hosseinpour Sarmadi, Sharmili Vidyadaran, Maha Abdullah and Seow Heng Fong
Studies on mesenchymal stem cells as a potential cellular therapy for cancer
National Biotechnology Seminar, PWTC, Kuala Lumpur 24-26 May 10
(Oral Presentation)
- 15 **Rajesh Ramasamy***, Vahid Hosseinpour Sarmadi, Chih Kong Tong, Sharmili Vidyadaran, Maha Abdullah and Heng Fong Seow
Mesenchymal Stem Cells Inhibit Proliferation of Lymphoid Origin Haematopoietic Tumour Cells by Inducing Cell Cycle Arrest
9th Annual Scientific Meeting, College of Pathologists, Academy of Medicine of Malaysia
26th June 2010, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
- 16 CK Tong, BC Tan, HF Seow and **R Ramasamy***
Human Umbilical Cord Derived Mesenchymal Stem Cells Suppress T Cell Proliferation through Cell Cycle Arrest
3rd Malaysian Tissue Engineering and Regenerative Medicine(MTERM) Scientific Meeting.

- Universiti Putra Malaysia 13-14 October 2010.
Medical Journal of Malaysia. Vol(65)(2 Suppl B):12-13,October 2010
(Oral Presentation)
- 17 Z Rahmat, YY Ooi, **R Ramasamy** and S Vidyadaran
 Mesenchymal Stem Cells-microglia Interactions in Response to Lipopolysaccharide
3rd Malaysian Tissue Engineering and Regenerative Medicine(MTERM) Scientific Meeting.
 Universiti Putra Malaysia 13-14 October 2010.
Medical Journal of Malaysia. Vol(65)(2 Suppl B):9-11,October 2010
(Oral Presentation)
- 18 S Abdullah, SC Ngai, **R Ramasamy** and R Rosli
 Lentiviral Transgene Silencing in Transduced Haematopoietic Stem Cells
3rd Malaysian Tissue Engineering and Regenerative Medicine(MTERM) Scientific Meeting.
 Universiti Putra Malaysia 13-14 October 2010.
Medical Journal of Malaysia. Vol(65)(2 Suppl B): 54,October 2010
- 19 **R Ramasamy***, S Vellasamy, S Sivalingam, A Yakub, and HF Seow
 Generation and Characterisation of Mesenchymal Stem Cells Derived from Human Cardiac Tissue
3rd Malaysian Tissue Engineering and Regenerative Medicine(MTERM) Scientific Meeting.
 Universiti Putra Malaysia 13-14 October 2010.
Medical Journal of Malaysia. Vol(65)(2 Suppl B):82-83,October 2010
- 20 CY Loh, M Kandiah, ER Mohd Tohit, **R Ramasamy** and M Abdullah
 Gender differences in T Cell Stimulation by Mitogen Detected Using Flow Cytometry
3rd Malaysian Tissue Engineering and Regenerative Medicine(MTERM) Scientific Meeting.
 Universiti Putra Malaysia 13-14 October 2010.
Medical Journal of Malaysia. Vol(65)(2 Suppl B):123-124,October 2010
- 21 Mohadese BH, Sabariah MN, Zainina S and **Rajesh R**
 Usefulness of Flow Cytometer Analysis in Facilitating the Diagnosis of Myelodysplastic Syndrome (MDS)
 The IXth Malaysian National Haematology Scientific Meeting 'Advancing Haematology in the Community' 29 April – 1 May
 2011 Pullman Hotel, Kuching, Sarawak
- 22 Abofila M. T.M., Ganabadi S., **Ramasamy R.**, A. M. H. Ng, Chen H. C.
 Evaluation of Allogenic Stem Cells Based Therapy in Rabbit Model of Osteoarthritis through Clinical Signs and Radiology
 2nd Malaysian Anatomical Conference
 8-9th June 2011 Univeriti Teknologi MARA (UiTM) Shah Alam
- 23 Abofila M. T.M., Ganabadi S., **Ramasamy R.**, A. M. H. Ng, Chen H. C.
 Comparison Between Two Methods of Derived Mesenchymal Stem Cells from Rabbit Bone Marrow
 1st Annual IMMB Postgraduate Colloquium 2011
 25-26th November 2011, Carlton Holiday Hotel, Shah Alam
- 24 Nordin N, Hoo MF, **Ramasamy R**, Cheah PS & Abdullah S
 The Essentiality of Leukaemia Inhibitory Factor (LIF) in Maintaining the Pluripotentiality of Full Term Rat Amniotic Fluid
 Stem Cells
 20th scientific Conference of Microscopy Society of Malaysia (EMSM 2011)
 20-22 December 2011, Permaisuri Resort, Port Dickson, Malaysia
- 25 Shalini Vellasamy, Sharmili Vidyadaran, Elizabeth George & **Rajesh Ramasamy**
 Umbilical Cord Tissue Serves as an Ideal Source of Human Mesenchymal Stem Cells Compared to Placenta Tissue
Regenerative Research, vol 1(suppl 1):19, June 2012
 4th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 3-4 June 2012, Meritus Pelangi Beach Resort, Langkawi, Malaysia
- 26 Maqbool M, Vidyadaran S, George E & **Ramasamy R**
 Dynamic Immunomodulatory Effect of Human Mesenchymal Stem Cells on Neutrophil Functions
Regenerative Research, vol 1(suppl 1):48, June 2012
 4th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 3-4 June 2012, Meritus Pelangi Beach Resort, Langkawi, Malaysia

- 27 Pratheep Sandrasaigaran, Afzar Rizal Ahmad, Sharmili Vidyadaran & **Rajesh Ramasamy**
Generation and Characterisation of Mesenchymal Stem Cells from Human Cartilage
Regenerative Research, vol 1(suppl 1):49, June 2012
 4th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 3-4 June 2012, Meritus Pelangi Beach Resort, Langkawi, Malaysia
- 28 Siew Ching Ngai, **Rajesh Ramasamy**, Rozita Rosli & Syahril Abdullah
Gene Expression Profile of Haematopoietic Stem Cells Transduced by Lentiviral Vector
Regenerative Research, vol 1(suppl 1):34, June 2012
 4th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 3-4 June 2012, Meritus Pelangi Beach Resort, Langkawi, Malaysia
- 29 Mun Fun Hoo, Farhana Ferdaos, Syahril Abdullah, **Rajesh Ramasamy**, Pike See Cheah & Norshariza Nordin
Cardiomyogenic Potential of Rat Full Term Amniotic Fluid Stem Cells
Regenerative Research, vol 1(suppl 1):42-43, June 2012
 4th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 3-4 June 2012, Meritus Pelangi Beach Resort, Langkawi, Malaysia
- 30 Shalini Vellasamy, Tong Chih Kong, Atiqah Azhar, Chan Soon Choy, Abhi Veerakumarasivam and **Rajesh Ramasamy**
Umbilical Cord-Derived Mesenchymal Stem Cells Drive Dysregulation Of The Global T Cell Transcriptome
Regenerative Research 3(2): 56-57, 2014
 5th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 18-19 September 2014, Hotel Bangi-Putrajaya, Selangor, Malaysia
- 31 Pratheep Sandrasaigaran, Sharmili Vidyadaran, Afzar Rizal Ahmad and **Rajesh Ramasamy**
Generation And Characterisation Of Mesenchymal Stem Cells Derived From Human Cartilage Tissue
Regenerative Research 3(2): 143, 2014
 5th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 18-19 September 2014, Hotel Bangi-Putrajaya, Selangor, Malaysia
- 32 Siew Ching Ngai, Rozita Rosli, **Rajesh Ramasamy**, Syahril Abdullah
Decline In Gene Expression Of The Genetically Modified Hematopoietic Stem Cells Following Transplantation
Regenerative Research 3(2): 124-126, 2014
 5th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 18-19 September 2014, Hotel Bangi-Putrajaya, Selangor, Malaysia
- 33 Mohadese Hashem Boroojerdi, Elizabeth George , Ling King Hwa and **Rajesh Ramasamy**
Optimisation Of Human Umbilical Cord Blood Derived Hematopoietic Stem Cell's Expansion
Regenerative Research 3(2): 152, 2014
 5th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 18-19 September 2014, Hotel Bangi-Putrajaya, Selangor, Malaysia
- 34 Noridzaida binti Ridzuan, Zuraidah Yusoff , Sharida Fakurazi and **Rajesh Ramasamy**
Generation And Characterization Of Rat Bone Marrow Mesenchymal Stem Cells
Regenerative Research 3(2):132, 2014
 5th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 18-19 September 2014, Hotel Bangi-Putrajaya, Selangor, Malaysia
- 35 Zuraidah Yusoff, Roshida Hassan, Elizabeth George and **Rajesh Ramasamy**
Fetal End Of Human Umbilical Cord Serves As Better Source For Mesenchymal Stem Cells Compared To Placental End
Regenerative Research 3(2):151,2 014
 5th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
 18-19 September 2014, Hotel Bangi-Putrajaya, Selangor, Malaysia
- 36 Maryam Maqbool, Elizabeth George , Sharmili Vidyadaran and **Rajesh Ramasamy**
 Mesenchymal stem cells inhibit differentiation of monocytes vis reducing the expression of vital surface markers.
 Immunology Symposium
 16-17th October 2014, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
 (Oral Presentation)

- 37 Vahid Hosseinpour Sarmadi, Heng Fong Soew, King Hwa Ling, Aishah Adam and **Rajesh Ramasamy**
Deciphering the anti-tumour activity of human mesenchymal stem cells on haematopoietic tumours using in vitro model
Immunology Symposium
16-17th October 2014, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
- 38 Cini Mathew John, Nurfarhana Ferdaos, Aishah Adam and **Rajesh Ramasamy**
Cassia auriculata supplementation ameliorates muscle protein degradation in diabetes mellitus rats by regulating Nf-kB pathways
Immunology Symposium
16-17th October 2014, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
- 39 Cini Mathew John, Elizabeth George, Aishah Adam and **Rajesh Ramasamy**
Evaluation of anti-diabetic and immunomodulatory activity of polyphenols derived from Cassia auriculata on induced diabetic rats.
Immunology Symposium
16-17th October 2014, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
- 40 Harikumar Ravindran, Cini Mathew John, Bang Rom Lee, Senthil Rajan Dharmalingam, Aishah Adam and **Rajesh Ramasamy**
Luteolin enhances wound healing process in streptozotocin (STZ) induced diabetic rats
Immunology Symposium
16-17th October 2014, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia

AWARDS

(A) International

1. British Elimination of Leukaemia Fund (ELF) conference award (2005)
2. GOLD Medal (ITEX 2011)
Rajesh Ramasamy*, Maryam Maqbool, Elizabeth George & Sharmili Vidyadaran
Stem cell therapy for neutrophil mediated immune diseases
21-23 May 2011, Kuala Lumpur Conventional Centre
3. Best Oral Presentation
Cini Mathew John, Eric Kimati Buntai, **Rajesh Ramasamy**, Aishah Adam
Up-regulation of growth arrest and DNA-damage-inducible alpha (GADD45 α) expression levels and genoprotective effects of polyphenols from Cassia auriculata flower on pregnant rats and their fetuses
International Conference On Genomics & Proteomics (ICGP-2011)
NIT-Calicut, India 14-16 July 2011
4. Best Oral Presentation
CM John, F Abdul Rahman, EK Buntai, **R Ramasamy** & A Adam
Nicotinamide supplementation protects gestational diabetic rats by reducing oxidative stress and enhancing immune responses
1st International Postgraduate Conference on Pharmaceutical Science (iPoPS) 2012
28-30 June 2012, Selangor, Malaysia
5. First Prize: Poster Presentation
Sattar Al-Qraittee, Shalini Vellasamy, Fahrudin Che Hamzah, Ling King Hwa, Cini Mathew John, **Rajesh Ramasamy**
Human mesenchymal stem cells derived from Normal and Osteoarthritis Cartilage
4th International Conference on Nanomedicine and Tissue Engineering (ICNT2016)
12-14th August 2016, Mahatma Gandhi University, Kottayam, Kerala, India
6. 1st Prize: Oral Presentation
Satar Jabbar Rahi Al-Qraittee, Ling King Hwa, Fahrudin Che Hamzah, & **Rajesh Ramasamy**
A Comparison Study of Human Mesenchymal Stem Cells Derived from Normal and Osteoarthritis Cartilages
International Conference & Workshop: The Art of Stem Cell
8-10th April 2017, Sultan Agung Islamic University (UNISULA), Semarang, Indonesia

7. 2nd Prize: Oral Presentation
Haslinda Abdul Hamid, Mohd Kamarulzaki Mustafa, Azizi Miskon, Satar Jabbar Rahi, Hamza Lawal & **Rajesh Ramasamy**
The Effects of Magnetic Field on in Vitro Culture of human Umbilical Cord Derived Mesenchymal Stem Cells
International Conference & Workshop: The Art of Stem Cell
8-10th April 2017, Sultan Agung Islamic University (UNISULA), Semarang, Indonesia
8. 2nd Prize: Poster Presentation
Hamza Lawal, Woo Yeng Fung, Satar Jabbar Rahi Al-qraittee & **Rajesh Ramasamy**
Ethanol Extract of Moringa Oleifera's Leaves Enhances the Viability and Expansion of Human Mesenchymal Stem Cells
International Conference & Workshop: The Art of Stem Cell
8-10th April 2017, Sultan Agung Islamic University (UNISULA), Semarang, Indonesia

(B) National

1. SILVER Medal (BioInno Awards 2009)
Rajesh Ramasamy*, Shalini Vellasamy, Sivakumar Sivalingam, Azhari Yakub, and Seow Heng Fong
Human Myocardial Tissues: A Potential Pool of Cardiac Stem Cells
BIOMALAYSIA 2009 17-19 November Kuala Lumpur Convention Centre (KLCC)
2. BRONZE Medal (BioInno Awards 2009)
Rajesh Ramasamy*, Vahid Hosseinpour Sarmadi and Seow Heng Fong
Mesenchymal Stem Cells Mediated Tumour Cell Suppression: A Potential Therapy for Cancer
BIOMALAYSIA 2009 17-19 November Kuala Lumpur Convention Centre (KLCC)
3. SILVER Medal
Rajesh Ramasamy*, Tong Chih Kong, Tan Boon Chong and Seow Heng Fong
Generation of Human Umbilical Cord derived Mesenchymal Stem Cells: A Tool for Stem Cell Therapy
Malaysian Technology Expo (MTE) 2010, 4-6 February 2010, Putra World Trade Centre (PWTC)
4. Best Poster Award
Rajesh Ramasamy*, Vahid Hosseinpour Sarmadi, Chih Kong Tong, Sharmili Vidyadaran, Maha Abdullah and Heng Fong Seow
Mesenchymal Stem Cells Inhibit Proliferation of Lymphoid Origin Haematopoietic Tumour Cells by Inducing Cell Cycle Arrest
*9th Annual Scientific Meeting, College of Pathologists, Academy of Medicine of Malaysia
26th June 2010, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia*
5. BRONZE Medal (BioInno Awards 2010)
Rajesh Ramasamy*, Maryam Maqbool & Sharmili Vidyadaran
Mesenchymal stem cells modulates neutrophils' respiratory burst activity: An impact on chronic inflammatory diseases
1-3 November 2010, Kuala Lumpur Convention Centre
6. Best Poster Presentation Award (Life Science)
Nordin N, Hoo MF, **Ramasamy R**, Cheah PS & Abdullah S
The Essentiality of Leukaemia Inhibitory Factor (LIF) in Maintaining the Pluripotentiality of Full Term Rat Amniotic Fluid Stem Cells
*20th scientific Conference of Microscopy Society of Malaysia (EMSM 2011)
20-22 December 2011, Permaisuri Resort, Port Dickson, Malaysia*
7. SILVER Medal
Rajesh Ramasamy*, Tong Chih Kong, and Seow Heng Fong
A Novel Technology for Isolating Human Mesenchymal Stem Cells from Umbilical Cord Tissues
Malaysian Technology Expo (MTE) 2012, 16-18 February 2012, Putra World Trade Centre (PWTC)
8. Best Oral Presentation
Shalini Vellasamy & **Rajesh Ramasamy**
Umbilical Cord Tissue Serves as an Ideal Source of Human Mesenchymal Stem Cells Compared to Placenta Tissue
4th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)

- 3-4 June 2012, Meritus Pelangi Beach Resort, Langkawi, Malaysia
- 9 Best Poster Award
Maqbool M, Vidyadaran S, George E & **Ramasamy R**
Dynamic Immunomodulatory Effect of Human Mesenchymal Stem Cells on Neutrophil Functions
4th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
3-4 June 2012, Meritus Pelangi Beach Resort, Langkawi, Malaysia
- 10 Best Oral Presentation
Cini Mathew John, **Rajesh Ramasamy**, Aishah Adam
1st International Postgraduate Conference on Pharmaceutical Sciences (iPoPS 2012)
28-30 June 2012, Faculty of Pharmacy UiTM, Puncak Alam
- 11 Best Poster Award (Cluster: Stem Cells)
Zuraidah Yusoff, Roshida Hassan, Elizabeth George and **Rajesh Ramasamy**
5th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
18-19 September 2014, Hotel Bangi-Putrajaya, Selangor, Malaysia
- 12 Best Poster Award (Cluster: Stem Cells)
Shalini Vellasamy, Tong Chih Kong, Atiqah Azhar, Chan Soon Choy, Abhi Veerakumarasivam and **Rajesh Ramasamy**
5th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
18-19 September 2014, Hotel Bangi-Putrajaya, Selangor, Malaysia
- 13 Best Poster Award
Cini Mathew John, Elizabeth George, Aishah Adam and **Rajesh Ramasamy**
Evaluation of anti-diabetic and immunomodulatory activity of polyphenols derived from *Cassia auriculata* on induced diabetic rats.
Immunology Symposium
16-17th October 2014, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
- 14 1st Prize Poster Presentation
Sattar Al-Qraittee, Shalini Vellasamy, Fahrudin Che Hamzah, Ling King Hwa, Cini Mathew John, **Rajesh Ramasamy**
Human mesenchymal stem cells derived from Normal and Osteoarthritis Cartilage
4th International Conference on Nanomedicine and Tissue Engineering (ICNT2016)
12-14th August 2016, Mahatma Gandhi University, Kottayam, Kerala, India
- 15 Best Poster Award
Chai-Ling Lim, **Rajesh Ramasamy**, Johnson Stanslas, King-Hwa Ling, Pike-See Cheah
Metabolic and functional characterization of adult skeletal muscle in Down syndrome mouse model (Ts1Cje): Insight into the muscle weakness (hypotonia) seen in the human
APSN-ISN Neuroscience School 2016
Asian-Pacific Society for Neurochemistry (APSN) & Malaysian Society of Neurosciences (MSN)
22-26th August 2016, FMHS, UPM

(C) Institutional

1. Best undergraduate research project award (2007)
Tong Chih Kong & **Rajesh Ramasamy***
Human bone marrow derived mesenchymal stem cell suppress T cell proliferation by inducing cell cycle arrest
2. BRONZE Medal
Rajesh Ramasamy*, Francesco Dazzi and Seow Heng Fong
Stem cells as potential cellular therapy for cancer
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2007)
Universiti Putra Malaysia, 27 November 2007
3. Incentives for Publication 2007, RM 10 126
4. SILVER Medal

- Rajesh Ramasamy***, Francesco Dazzi, Vahid Hossien Sarmadi, Tong Chih Kong, Seow Heng Fong
Mesenchymal Stem Cells Inhibit Proliferation on Tumour Cells: Impact on Cancer Therapy
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2008)
Universiti Putra Malaysia, 2008
5. GOLD Medal
Rajesh Ramasamy*, Tong Chih Kong, Tan Boon Chong and Seow Heng Fong
Generation and Characterization of Umbilical Cord Derived Mesenchymal Stem Cells: An Alternative Source for Stem Cells
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2009), 28 July 2009, Universiti Putra Malaysia
 6. GOLD Medal
Rajesh Ramasamy*, Vahid Hosseinpour Sarmadi and Seow Heng Fong
Mesenchymal Stem Cells Mediated Tumour Cell Suppression: A Potential Therapy for Cancer
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2009), 28 July 2009, Universiti Putra Malaysia
 7. GOLD Medal
Rajesh Ramasamy*, Shalini Vellasamy, Sivakumar Sivalingam, Azhari Yakub, and Seow Heng Fong
Generation and Characterisation of Mesenchymal Stem Cells Derived from Human Myocardiac Tissues: A Potential Pool of Cardiac Stem Cells
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2009), 28 July 2009, Universiti Putra Malaysia
 8. SILVER Medal
Rajesh Ramasamy*, Maryam Maqbool, Kalidasan Krishna, Vahid Hosseinpour Sarmadi and Sharmili Vidyadaran
The Effect of Human Mesenchymal Stem Cells on Neutrophil Mediated Immune responses
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2009), 28 July 2009, Universiti Putra Malaysia
 9. SILVER Medal
Sharmili Vidyadaran, Ooi Yin Yin,, Zul'atfi Rahmat and **Rajesh Ramasamy**
Mouse Mesenchymal Stem Cells Inhibit Microglial Proliferative Responses
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2009), 28 July 2009, Universiti Putra Malaysia
 10. SILVER Medal
Seow Heng Fong, Tang Wai Yee and **Rajesh Ramasamy**
The Effect of Human Mesenchymal Stem Cell on the Proliferation and Cytotoxicity of Natural Killer Cell
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2009), 28 July 2009, Universiti Putra Malaysia
 11. BRONZE Medal
Seow Heng Fong, Malini Fonseka and **Rajesh Ramasamy**
The Effect of Mesenchymal Stem Cells on the Proliferation and Survival of K562 Cell Line
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2009), 28 July 2009, Universiti Putra Malaysia
 12. BRONZE Medal
Asmah Rahmat, Mansooreh Sadat Mojani Qomi, Vahid Hosseinpour Sarmadi and **Rajesh Ramasamy**
Effect of Vitamin E Supplementation on Inflammatory Factors in Diabetic Induced Rats
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2009), 28 July 2009, Universiti Putra Malaysia
 13. Anugerah Perkhidmatan Cemerlang Universiti 2008
 14. Incentives for Publication 2008, RM 2,000
 15. SILVER Medal
Rajesh Ramasamy*, Maryam Maqbool & Sharmili Vidyadaran
Mesenchymal Stem Cells Modulate Neutrophils' Respiratory Burst Activity: An Impact on Chronic Inflammatory Diseases
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2010), 20-22 July 2010, Universiti Putra Malaysia
 16. BRONZE Medal
Rajesh Ramasamy*, Maryam Maqbool, Abdul Latiff Mohamed & Rahim Md. Noah
Elevated Neutrophil Respiratory Burst Activity in Essential Hypertensive Patients
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2010), 20-22 July 2010, Universiti Putra Malaysia

17. BRONZE Medal
Sharmili Vidyadaran, Hemavathy Subramaniam & **Rajesh Ramasamy**
Does Age Affect Microglia Responses Following Activation by Lipopolysaccharide or Beta Amyloid?
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2010), 20-22 July 2010, Universiti Putra Malaysia
18. GOLD Medal
Rajesh Ramasamy*, Shalini Vellasamy, Tong Chih Kong, Tan Boon Chong, Sharmili Vidyadaran and Elizabeth George
Human Umbilical Cord Tissue as an Ideal Source for Mesenchymal Stem Cells
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2011), 19-21 July 2011, Universiti Putra Malaysia
19. GOLD Medal
Rajesh Ramasamy*, Vahid Hosseinpour Sarmadi and Seow Heng Fong
Mesenchymal Stem Cells Therapy for Haematopoietic Origin Tumours
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2011), 19-21 July 2011, Universiti Putra Malaysia
20. SILVER Medal
Rajesh Ramasamy*, Maryam Maqbool, Sharmili Vidyadaran and Elizabeth George
Stem Cell Therapy for Neutrophil Mediated Immune Diseases
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2011), 19-21 July 2011, Universiti Putra Malaysia
21. GOLD Medal
Farhana Abd Rahman, Aishah Adam, Cini Mathew John and **Rajesh Ramasamy**
Product Category: Cassia Gold
Pertandingan Reka Bentuk dan Reka Cipta (IID2), 30 November 2011, UiTM
22. BRONZE Medal
Farhana Abd Rahman, Aishah Adam, Cini Mathew John and **Rajesh Ramasamy**
Product Category: Immunobooster
Pertandingan Reka Bentuk dan Reka Cipta (IID2), 30 November 2011, UiTM
23. BEST 10 RESEARCHERS' AWARD
30-31 May 2012, Research Week 2012, Faculty of Medicine and Health Sciences
Universiti Putra Malaysia
24. SILVER Medal
Rajesh Ramasamy, Cini Mathew John and Aishah Adam
Immunomodulatory Activity of Polyphenols Derived from Cassia Auriculata Flowers on Diabetic Rats
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2012), 17-19 July 2012, Universiti Putra Malaysia
25. SILVER Medal
Elizabeth Goerge, Mei I Lai, Lai Kuan Teh, **Rajesh Ramasamy**, Ern Huei Goh, Kamalan Asokan, Maithili Vasudevan and Mary Anne Tan Jin I
Screening for Thalassaemia in Discarded Red Blood Cells: A Novel Diagnostic Approach in Cord Blood Banking
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2012), 17-19 July 2012, Universiti Putra Malaysia
26. Anugerah Perkhidmatan Cemerlang Universiti 2013
21 August 2013, Universiti Putra Malaysia
27. BEST POSTER AWARD
Mun Fun Hoo, Nurfarhana Ferdaos, Pike See Cheah, Syahrilnizam Abdullah, **Rajesh Ramasamy** and Norshariza Nordin.
Unraveling the Neurogenic Capacity of Rat full term Amniotic Fluid Stem cells (AFSCs),
2nd FMHS Research Week. Faculty of Medicine and Health Sciences, UPM, 17-18th June 2013.
28. SILVER Medal
Rajesh Ramasamy, Shalini Vellasamy, Tong Chih Kong, and Abhi Veerakumarasivam
Stem Cell Therapy for Immune Diseases
Pameran Reka Cipta, Penyelidikan dan Inovasi (PRPI 2016), 15-16 November 2016, Universiti Putra Malaysia
29. Anugerah Perkhidmatan Cemerlang Universiti 2018
Universiti Putra Malaysia

PROFESSIONAL SERVICES

(A) Grant Proposal Reviewer

(I) INTERNATIONAL

1. Medical Research Council (MRC), United Kingdom (UK) (2014)

(II) NATIONAL

1. Grant Evaluation Panel Committee for Ministry of Science, Technology and Innovation, Malaysia, (MOSTI) Brain Gain Malaysia Scheme | Science Fund | Techno Fund | Flagship Program (2011 till present)
2. MAKNA Grant (2016)

(III) INSTITUTIONAL

1. Institutional reviewer for Geran Putra, Science Fund & FRGS. UPM (since 2013)
2. High Impact Research Scheme, Universiti Malaya (2013)
3. Taylor's University Research Grant Scheme

(B) External Appointments / Consultation

1. Research Consultant for Stem Cell Manufacturing (2013 till 2017)
NisCELL, Nichi-Asia Life Science Sdn. Bhd.
2. Advisory Expert on Tamil language translation of book 'Healthy Eating during Deepavali'
Nutrition division, Ministry of Health Malaysia, 2013.
3. Member, Young Scientist Network-Academy of Sciences Malaysia (YSN-ASM)
4. Adjunct Associate Professor, Program: MSc Regenerative Medicine
University College Sedaya International (UCSI)
5. Member, National Ethics Committee for Cell-based Research & Therapy (NSCERT)

(C) Invited Talks

1. Mesenchymal stem cells inhibit proliferation of tumour cells: Impact on cancer therapy
2nd Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting.
Organised by: Tissue Engineering and Regenerative Medicine Society of Malaysia (TESMA)
22nd July 2008, Universiti Kebangsaan Malaysia Medical Centre
2. Mesenchymal Stem Cells in Transplantation Settings
Stem Cells Research: Covering the Basics
Organised by: Tissue Engineering and Regenerative Medicine Society of Malaysia (TESMA)
23rd November 2009, Universiti Putra Malaysia
3. Adult Stem Cells
Stem Cell Culture and Flow Cytometry Workshop 2009
Organised by UKM Molecular Biology Institute (UMBI)
30th December 2009, Universiti Kebangsaan Malaysia Medical Centre.
4. Mesenchymal Stem Cells and Immunity
Stem Cell Research Seminar 2010
Organised by College of Pathologists of Malaysia & UTAR
21st April 2010, University Tunku Abdul Rahman (UTAR)
5. Flow Cytometry Assays
International Brain Research Symposium
7th October 2010, Universiti Putra Malaysia

6. Stem Cells and Tissue Engineering
Student-Teacher Programme
3rd Malaysian Tissue Engineering and Regenerative Medicine (MTERM) Scientific Meeting.
13-14 October 2010, Universiti Putra Malaysia
7. Mesenchymal Stem Cells: Source and Applications
Stem Cell CPD
2nd December 2010, Stemlife Berhad, Megan Avenue II, Kuala Lumpur
8. Current Trends in Biotechnology
Seminar Pendidikan Sains dan Matematik 2011
Organised by Ministry of Education
2nd November 2011, Pearl International Hotel, Kuala Lumpur
9. Forum Speaker: Stem Cells
Research Week 2012
Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
30th May 2012, FPSK, UPM
10. Mesenchymal Stem Cells: Role in Immunity
4th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
3-4 June 2012, Meritus Pelangi Beach Resort, Langkawi, Malaysia
11. Cell Cycle Analysis
Basic Course in Flow Cytometry
Immunology Laboratory, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
11-12 September 2012
12. Scientific Writing in Medical and Health Sciences
Research Orientation program 2013
Faculty of Medicine and Health Sciences, UPM
5 June 2013
13. Mesenchymal Stem Cells (MSC) : the Basics and the Applied
Workshop on current cell therapy development
Swan Convention Center, Sunway Medical Center, Petaling Jaya
21 September 2013
14. Academic-Industrial Forum
5th Malaysian Tissue Engineering and Regenerative Medicine Scientific Meeting (MTERMS)
18-19 September 2014, Hotel Bangi-Putrajaya, Selangor, Malaysia
15. Mesenchymal stem cells: A potential cellular therapy for unregulated inflammatory diseases
Immunology Symposium
16-17th October 2014, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
16. The origin of MSC heterogeneity
What should you measure to characterise your MSC for Clinical use
Workshop on Mesenchymal; Stromal Cells and Its Clinical Application
29-30th January 2015, Faculty of Medicine, University Malaya
17. Human mesenchymal stem cells: a potential candidate for the anticancer therapy
4th International Conference on Nanomedicine and Tissue Engineering (ICNT2016)
12-14th August 2016, Mahatma Gandhi University, Kottayam, Kerala, India
18. Immunomodulatory effect of human mesenchymal stem cell on monocyte's function
5th UTAR Seminar on Stem Cells and iPSC Research
5th September 2016, Centre for Stem Cell Research, University Tunku Abdul Rahman (UTAR)
19. Stem Cells and Cancer
Tissue Engineering Centre, Universiti Kebangsaan Malaysia Medical Centre

8th February 2017, TEC, HUKM

20. The Multifaceted Immunomodulatory Functions of Human Mesenchymal Stem Cells
International Conference & Workshop: The Art of Stem Cell
8-10th April 2017, Sultan Agung Islamic University (UNISULA), Semarang, Indonesia
21. The potential of Human Mesenchymal stem cells
11th April 2017, Depenegoro University (UNDIP), Semarang, Indonesia
22. Mesenchymal Stem Cells Suppress T Cell Immune Responses by Transcriptome Modulation
The 2nd National Festival & International Congress on stem Cell & Regenerative Medicine
13-15th July 2017, I.R Iran International Conference Center (Saran Conventional Hall), Tehran, Iran
23. Characterisation of Human Mesenchymal Stem Cells Derived from Normal and Osteoarthritis Cartilages
The 2nd National Festival & International Congress on stem Cell & Regenerative Medicine
13-15th July 2017, I.R Iran International Conference Center (Saran Conventional Hall), Tehran, Iran
24. Stem cells in cardiology: Myth or Fact?
The 2nd International Conference on Cardiovascular Diseases : From Genes to Novel Therapy
21-22 March 2018, at Prime Plaza Hotel, Yogyakarta, Indonesia

(D) Professional Membership & Services

(I) INTERNATIONAL

1. International Society of Stem Cell Research (ISSCR)
2. International Society for Cellular Therapy (ISCT)

Status

Member (since 2010)
Member (since 2017)

(II) NATIONAL

1. Tissue Engineering Society of Malaysia (TESMA)
2. Malaysian Society of Electron Microscope
3. Nutrition Society of Malaysia
4. NeuroMalaysia
5. MSCRT (Malaysian Society for Stem Cell Research and Therapy)

Status

Vice President (2009/10)
Committee Member
(2008, 2011-till now)
Member (since 2007)
Member (since 2010)
Member (since 2010)
Member (since 2016)

(III) JOURNAL EDITORIAL BOARD

No. Name of Journal

1. Malaysian Journal of Medicine and Health Sciences
2. Regenerative Research
3. World Journal of Stem Cells (WJSC)
4. World Journal of Biological Chemistry
5. Annals of Bone Marrow Research
6. Journal of Stem Cell and Regenerative Biology
7. Stem Cell International

Position Duration

Member 2015 till present
Member 2014 till present
Member 2014 till present
Member 2014-2016.
Member
Member
Guest Editor 2016

(IV) JOURNAL REVIEWER

1. Cellular Immunology
2. Journal of Medical and Health Sciences of Malaysia
3. Malaysian Journal of Nutrition
4. Journal of the American Society of Hypertension
5. Cell Proliferation
6. Cytotherapy
7. World Journal of Stem Cells (WJSC)
8. PLoS One
9. Regenerative Research

10. Drug Delivery Letters
11. Stem Cells and Cloning: Advances & Applications
12. Cell Biology International
13. Indian Journal of Pharmaceutical Sciences
14. Medical Journal of Malaysia
15. Connective Tissue Research
16. Stem Cell International
17. Global Journal of Stem Cell Biology and Transplantation
18. BMC Cardiovascular Disorders
19. SpringerPLus
20. Cytotechnology
21. International Journal of Hepatology
22. Biochemistry and Biophysics Report
23. International Journal of Women's Health
24. Stem Cells